a memory to store images of an image frame in a plurality of memory pages;

a processor to perform drawing operations to generate the images for the image frame, the processor marking memory pages corresponding to regions of the image frame that have been updated while performing the drawing operations; and

a display controller in communication with the memory to access the image frame and to send only the marked memory pages of the image frame to the display to refresh the display.

4. (Previously Amended) The system of claim 3, wherein the image frame is divided into tiles representing two-dimensional regions of the image frame, each of the tiles is stored in one separate memory page.

5. (Previously Amended) The system of claim 3, wherein each of the memory pages has a size of four Kilobytes.

6. (Previously Amended) The system of claim 3, wherein the image frame is represented by a configuration where color components of a pixel are deposited in contiguous memory locations.

7. (Previously Amended) The system of claim 3, wherein the image frame is represented by a configuration where color components of a pixel are separated and deposited in multiple color planes.

8. (Cancelled)

9. (Cancelled)

10. (Previously Amended) A method to refresh a display, comprising:

storing at least one image frame such that content of the image frame is stored in a plurality of memory pages in a memory;

marking memory pages corresponding to regions of the image frame that have been updated while performing drawing operations; and

sending only the marked memory pages of the image frame to the display to refresh the display.

11. (Previously Amended) The method of claim 10 further comprising:

dividing the image frame into tiles representing two-dimensional regions of the image frame; and

storing each of the tiles in one separate memory page.

12. (Previously Amended) The method of claim 10 further comprises using memory pages of four Kilobytes in size.

13. (Previously Amended) The method of claim 10 further comprises organizing the image frame using a configuration where color components of a pixel are deposited in contiguous memory locations.

14. (Previously Amended) The method of claim 10, further comprises organizing the image frame using a configuration where color components of a pixel are separated and deposited in multiple color planes.

15. (Previously Amended) A program embodied on a system-readable medium to refresh a display, comprising:

a first sub-program to control storing at least one image frame in a memory such that content of the image frame is stored in a plurality of memory pages in the memory;

a second sub-program to mark memory pages corresponding to regions of the image frame that have been updated while performing drawing operations; and

at least one sub-program to access the image frame and to send only the marked memory pages of the image frame one memory page at a time to the display to refresh the display.

16. (Cancelled)

17. (Cancelled)

18. (Original) The program of claim 15 further comprising:

a third sub-program to divide the image frame into tiles representing regions of the image frame and to store each tile in a separate memory page.

19. (Original) The program of claim 15 further comprising:

a third sub-program to organize the image frame using a configuration where color components of a pixel are deposited in contiguous memory locations.

20. (Original) The program of claim 15 further comprising:

a third sub-program to organize the image frame using a configuration where color components of a pixel are separated and deposited in multiple color planes.

21. (Original) The system of claim 3, wherein the display controller sends the image frame one memory page at a time to the display to refresh the display.

22. (Original) The method of claim 10, wherein the sending of the marked memory pages of the image frame to the display to refresh the display further comprises sending the marked memory pages one memory page at a time.

23. (Previously Added) The system of claim 3, wherein the image frame is divided into tiles each representing a two-dimensional region of the image frame.

24. (Previously Added) The program of claim 15 further comprising:

a third sub-program to divide the image frame into tiles representing regions of the image frame.